

Title (en)

AN INJECTION MOLDED MICROFLUIDIC/FLUIDIC CARTRIDGE INTEGRATED WITH SILICON-BASED SENSOR

Title (de)

SPRITZGEGOSSENE MIKROFLUIDISCHE/FLUIDISCHE KARTUSCHE MIT INTEGRIERTEM SENSOR AUF SILICIUMBASIS

Title (fr)

UNE CARTOUCHE MICROFLUIDIQUE/FLUIDIQUE MOULÉE PAR INJECTION INTÉGRÉE AVEC CAPTEUR À BASE DE SILICIUM

Publication

EP 3676010 A1 20200708 (EN)

Application

EP 18852532 A 20180831

Priority

- US 201762553614 P 20170901
- US 2018049039 W 20180831

Abstract (en)

[origin: US2019070606A1] A microfluidic device includes a substrate, a sensor, and one or more lamination films. The top surface of the substrate can include first recessed grooves forming first open channels and the bottom surface of the plastic substrate can include a first recessed cavity and second recessed grooves forming second open channels. A first lamination film can be adhered with the top surface of the plastic substrate to form first closed channels. A second lamination film can be adhered to the bottom surface of the plastic substrate to form second closed channels. The sensor can be on the bottom surface of the substrate such that it overlies the first recessed cavity to form a flow cell with the sensor top surface inward facing. A first closed channel can be fluidically connected with a second closed channel and a first or second closed channel can be fluidically connected with the flow cell.

IPC 8 full level

B01L 3/00 (2006.01); **B81B 1/00** (2006.01); **B81B 3/00** (2006.01); **B81B 7/00** (2006.01); **B81C 1/00** (2006.01); **B81C 3/00** (2006.01); **B81C 99/00** (2010.01)

CPC (source: EP KR US)

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BA ME

DOCDB simple family (publication)

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